



# INFORMATION DISCLOSURE STATEMENT LIST

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## U.S. PATENT DOCUMENTS

Examiner's Initials	Cite No.	Document No.	Date	Name	Class	Subclass	Filing Date (if appropriate)
	A 1.	6,511,967	01-28-2003	Weissleder			
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## FOREIGN PATENT DOCUMENTS

Examiner's Initials	Cite No.	Foreign Patent Document Country Code-Number-Kind Code	Date	Name	Translation Yes/No

## NON-PATENT DOCUMENTS

Examiner's Initials	Cite No.	Non-Patent Citations (include Author, Title, Publisher, Relevant Pages, Date and Place of Publication)
	A 3.	Abrams MJ, Juweid M, tenKate CI, Schwartz DA, Hauser MM, Gaul FE, Fuccello AJ, Rubin RH, Strauss HW, and Fischman AJ, Technetium-99m-human polyclonal IgG radiolabeled via the hydrazino nicotinamide derivative for imaging focal sites of infection in rats. <i>J Nucl Med</i> 31:2022-8, 1990.
	A 4.	Anderson CJ, Dehdashti F, Cutler PD, Schwarz SW, Laforest R, Bass LA, Lewis JS, and McCarthy DW, 64Cu-TETA-octreotide as a PET imaging agent for patients with neuroendocrine tumors. <i>J Nucl Med</i> 42:213-21, 2001.
	A 5.	Aoki M, Kanamori M, Yudoh K, Ohmori K, Yasuda T, and Kimura T, Effects of vascular endothelial growth factor and E-selectin on angiogenesis in the murine metastatic RCT sarcoma. <i>Tumour Biol</i> 22:239-46, 2001.
	A 6.	Auricchio A, Zhou R, Wilson JM, and Glickson JD, In vivo detection of gene expression in liver by 31P nuclear magnetic resonance spectroscopy employing creatine kinase as a marker gene. <i>Proc Natl Acad Sci U S A</i> 98:5205-10, 2001.
	A 7.	Bar, I, Zilberman Y, Zeira E, Galun E, Honigman A, Turgeman G, Clemens T, Gazit Z, and Gazit D, Molecular imaging of the skeleton: quantitative real-time bioluminescence monitoring gene expression in bone repair and development. <i>J Bone Miner Res</i> 18:570-8, 2003.
	A 8.	Becker A, Hessenius C, Bhargava S, Grotzinger C, Licha K, Schneider-Mergener J, Wiedenmann B, and Semmler W, Cyanine dye labeled vasoactive intestinal peptide and somatostatin analog for optical detection of gastroenteropancreatic tumors. <i>Ann N Y Acad Sci</i> 921:275-8, 2000.
	A 9.	Becker A, Hessenius C, Licha K, Ebert B, Sukowski U, Semmler W, Wiedenmann B, and Grotzinger C, Receptor-targeted optical imaging of tumors with near-infrared fluorescent ligands. <i>Nat Biotechnol</i> 19:327-31, 2001.
	A 10.	Bennett J, Duan D, Engelhardt JF, and Maguire AM, Real-time, noninvasive in vivo assessment of adeno-associated virus-mediated retinal transduction. <i>Invest Ophthalmol Vis Sci</i> 38:2857-63, 1997.
	A 11.	Bergelson JM, Cunningham JA, Droguett G, Kurt-Jones EA, Krithivas A, Hong JS, Horwitz MS, Crowell RL, and Finberg RW, Isolation of a common receptor for Coxsackie B viruses and adenoviruses 2 and 5. <i>Science</i> 275:1320-3, 1997.

A 12.	Biermann V, Volpers C, Hussmann S, Stock A, Kewes H, Schiedner G, Hermann A, and Kochanek S, Targeting of high-capacity adenoviral vectors. <i>Hum Gene Ther</i> 12:1757-69, 2001.
A 13.	Blasberg RG and Tjuvajev JG, Herpes simplex virus thymidine kinase as a marker/reporter gene for PET imaging of gene therapy. <i>Q J Nucl Med</i> 43:163-9, 1999.
A 14.	Boland A, Ricard M, Opolon P, Bidart JM, Yeh P, Filetti S, Schlumberger M, and Perricaudet M, Adenovirus-mediated transfer of the thyroid sodium/iodide symporter gene into tumors for a targeted radiotherapy. <i>Cancer Res</i> 60:3484-92, 2000.
A 15.	Breeman WA, de Jong M, Kwekkeboom DJ, Valkema R, Bakker WH, Kooij PP, Visser TJ, and Krenning EP, Somatostatin receptor-mediated imaging and therapy: basic science, current knowledge, limitations and future perspectives. <i>Eur J Nucl Med</i> 28:1421-9, 2001.
A 16.	Bremer C and Weissleder R, In vivo imaging of gene expression. <i>Acad Radiol</i> 8:15-23, 2001.
A 17.	Bugaj JE, Achilefu S, Dorshow RB, and Rajagopalan R, Novel fluorescent contrast agents for optical imaging of in vivo tumors based on a receptor-targeted dye-peptide conjugate platform. <i>J Biomed Opt</i> 6:122-33, 2001.
A 18.	Bugaj JE, Erion JL, Johnson MA, Schmidt MA, and Srinivasan A, Radiotherapeutic efficacy of (153)Sm-CMDTPA-Tyr(3)-octreotate in tumor-bearing rats. <i>Nucl Med Biol</i> 28:327-34, 2001.
A 19.	Caragine TA, Imai M, Frey AB, and Tomlinson S, Expression of rat complement control protein Crry on tumor cells inhibits rat natural killer cell-mediated cytotoxicity. <i>Blood</i> 100:3304-10, 2002.
A 20.	Caragine TA, Okada N, Frey AB, and Tomlinson S, A tumor-expressed inhibitor of the early but not late complement lytic pathway enhances tumor growth in a rat model of human breast cancer. <i>Cancer Res</i> 62:1110-5, 2002.
A 21.	Cascini GL, Cuccurullo V, Rambaldi PF, and Mansi L, [Immunological imaging using tagged octreotide]. <i>Minerva Endocrinol</i> 26:129-33, 2001.
A 22.	Chatziioannou A, Kehagias D, Mourikis D, Antoniou A, Limouris G, Kaponis A, Kavatzas N, Tseleni S, and Vlachos L, Imaging and localization of pancreatic insulinomas. <i>Clin Imaging</i> 25:275-83, 2001.
A 23.	Chaudhuri TR, Buchsbaum D, Mountz J, Rogers BE, Partridge E, and Zinn KR, Early detection of ovarian cancer by light-based imaging. <i>Gynec Oncol</i> 80:330, 2001.
A 24.	Chaudhuri TR, Cao Z, LoBuglio AF, and Zinn KR, In vivo imaging of angiogenesis in breast cancer xenografts during therapy. <i>Breast Cancer Res. Treat.</i> 76:S122, 2002.
A 25.	Chaudhuri TR, Cao Z, Burford-Rodriguez C, Partridge E, and Zinn KR, A non-invasive approach for monitoring breast tumor cells during therapeutic intervention. <i>Cancer Biother Radiopharm</i> 17:205-212, 2002.
A 26.	Chaudhuri TR, Cao Z, Davis AJ, Della Manna D, Rodriguez-Burford C, Robinson GD, Partridge EE, and Zinn KR, Treatment monitoring of microscopic ovarian cancer in live mice. <i>Proc of ASCO</i> 21a:887, 2002.
A 27.	Chaudhuri TR, Cao Z, Della Manna DL, Rodriguez-Burford C, Partridge EE, and Zinn KR, A sensitive method for treatment monitoring of microscopic ovarian cancer in live mice. <i>Mol Ther</i> 5:S115, 2002.
A 28.	Chaudhuri TR, Cao Z, Krasnykh VN, Stargel AV, Belousova N, Partridge EE, and Zinn KR, Blood-based Screening and Light Based Imaging for the Early Detection and Monitoring of Ovarian Cancer Xenografts. <i>Technol Cancer Res Treat</i> 2:171-80, 2003.
A 29.	Chaudhuri TR, Cao Z, Ma Z, and Zinn KR, Optical imaging combined with blood-based screening by a new plasmid vector for the detection of ovarian cancer. <i>Eur J Nucl Med Mol Imaging</i> 29:S177, 2002.
A 30.	Chaudhuri TR, Cao Z, Partridge EE, and Zinn KR, A comparative analyses of light-based and gamma-camera imaging to detect non-palpable ovarian cancer lesion in nude mice. <i>Mol Ther</i> 5:S270, 2002.
A 31.	Chaudhuri T R, Can Z, Partridge E E, and Ziun K R, A comparative analysis of optical and gamma camera imaging for non-invasive detection of ovarian cancer. <i>Eur J Nucl Med Mol Imaging</i> 29:S229, 2002.
A 32.	Chaudhuri T R, Cao Z, Partridge E E, and Zirm K R, Dual modality imaging for treatment monitoring of microscopic ovarian cancer in live mice. <i>Eur J Nucl Med Mol Imaging</i> 29:S178, 2002.

A 33.	Chaudhuri T R, Cao Z, Rodriguez-Burford C, LoBuglio A F, and Zinn K R, In vivo optical imaging of angiogenesis in breast cancer xenografts during therapy. <i>Mol Ther</i> 5:S116, 2002.
A 34.	Chaudhuri T R, Kmsnykh V, Belousova N, Zinn K R, Buchsbanm D, Mountz J, Curiel D, and Rogers B E, An ad-based strategy for imaging, radiotherapy, and enhanced tumor killing. <i>Mol Ther</i> 3:S64, 2001.
A 35.	Chaudhuri T R, Krasnykh V N, Cao Z, and Zinn K R, Dualistic Genetic Reporter System for Early Diagnosis and Monitoring of Ovarian Cancer. <i>Mol Ther</i> 5:S207, 2002.
A 36.	Chaudhuri T R, Mountz J, B E R, and Zinn K R, Imaging GFP-positive ovarian cancer calls in vitro during adriamycin treatment. <i>Mol Ther</i> 3:S217, 2001.
A 37.	Chaudhuri T R, Mountz J, Rogers B E, Robinson G, Partridge E, and Zima K R, Non-invasive light-based imaging of GFP-positive ovarian xenografts. <i>Mol Ther</i> 3:S404, 2001.
A 38.	Chaudhuri T R, Mountz J M, Rogers B E, Partridge E E, and Zinn K R, Light-based imaging of green fluorescent protein-positive ovarian cancer xenografts during therapy. <i>Gynecol Oncol</i> 82:581-9, 2001.
A 39.	Chaudhuri T R, Rogers B E, and Zinn K R, Non-invasive dual modality imaging of ovarian cancer in mice. <i>Eur J Nucl Med</i> 28:1179, 2001.
A 40.	Chaudhuri T R, Rogers B E, Buchsbaum D J, Mountz J M, and Zinn K R, A noninvasive reporter system to image adenoviral-mediated gene transfer to ovarian cancer xenografts. <i>Gynecol Oncol</i> 83:432-8, 2001.
A 41.	Chaudhuri, et al., In vivo imaging for early detection and monitoring of human breast cancer in animal model during therapy. <i>Eur J Nucl Med</i> 28(8): 1000, 2001.
A 42.	Chaudhuri T R, Rogers B E, Mountz J M, Partridge E E, and Zima K R, Non-invasive imaging of Ad-vectortransfected ovarian xenografts. <i>Eur J Nucl Med</i> 28(8):1172, 2001.
A 43.	Chishima T, Miyagi Y, Li L, Tan Y, Baranov E, Yang M, Shimada H, Moossa AR, and Hoffman RM, Use of histoculture and green fluorescent protein to visualize tumor cell host interaction. <i>In Vitro Cell Dev Biol Anim</i> 33:745-7, 1997.
A 44.	Chishima T, Miyagi Y, Wang X, Tan Y, Shimada H, Moossa A, and Hoffman RM, Visualization of the metastatic process by green fluorescent protein expression. <i>Anticancer Res</i> 17:2377-84, 1997.
A 45.	Chishima T, Miyagi Y, Wang X, Yamaoka H, Shimada H, Moossa AR, and Hoffman RM, Cancer invasion and micrometastasis visualized in live tissue by green fluorescent protein expression. <i>Cancer Res</i> 57:2042-7, 1997.
A 46.	Chishima T, Yang M, Miyagi Y, Li L, Tan Y, Baranov E, Shimada H, Moossa AR, Penman S, and Hoffman RM, Governing step of metastasis visualized in vitro. <i>Proc Natl Acad Sci U S A</i> 94:11573-6, 1997.
A 47.	Chmiel JF, Berger M, and Konstan MW, The role of inflammation in the pathophysiology of CF lung disease. <i>Clin Rev Allergy Immunol</i> 23:5-27, 2002.
A 48.	Chmiel JF, Konstan MW, and Berger M, Murine models of CF airway infection and inflammation. <i>Methods Mol Med</i> 70:495-515, 2002.
A 49.	Cho JY, Shen DH, Yang W, Williams B, Buckwalter TL, La Perle KM, Hinkle G, Pozderac R, Kloos R, Nagaraja HN, Barth RF, and Jhiang SM, In vivo imaging and radioiodine therapy following sodium iodide symporter gene transfer in animal model of intracerebral gliomas. <i>Gene Ther</i> 9:1139-45, 2002.
A 50.	Christenson SD, Lake KD, Ooboshi H, Faraci FM, Davidson BL, and Heistad DD, Adenovirus-mediated gene transfer in vivo to cerebral blood vessels and perivascular tissue in mice. <i>Stroke</i> 29:1411-5; discussion 1416, 1998.
A 51.	Chung JK, Sodium iodide symporter: its role in nuclear medicine. <i>J Nucl Med</i> 43:1188-200, 2002.
A 52.	Cichon G, Boeckh-Herwig S, Schmidt HH, Wehnes E, Muller T, Pring-Akerblom P, and Burger R, Complement activation by recombinant adenoviruses. <i>Gene Ther</i> 8:1794-800, 2001.
A 53.	Circolo A et al. Genetic disruption of the murine complement C3 promoter region generates deficient mice with extrahepatic expression of C3 mRNA. <i>Immunopharmacology</i> 42:135-149, 1999.
A 54.	Contag CH, Jenkins D, Contag PR, and Negrin RS, Use of reporter genes for optical measurements of neoplastic disease in vivo. <i>Neoplasia</i> 2:41-52, 2000.
A 55.	Contag PR, Olomu IN, Stevenson DK, and Contag CH, Bioluminescent indicators in living mammals. <i>Nat Med</i> 4:245-7, 1998.

A 56.	Cope MB, Steele VE, Eto I, Juliana MM, Hill DL, and Grubbs CJ, Prevention of methylnitrosourea-induced mammary cancers by 9-cis- retinoic acid and/or vitamin D3. <i>Oncol Rep</i> 9:533-7, 2002.
A 57.	Cuntz MC, Levine EA, O'Dorisio TM, Watson JC, Wray DA, Espenan GD, McKnight C, Meier JR, Weber LJ, Mera R, O'Dorisio MS, and Woltering EA, Intraoperative gamma detection of 125I-Ianreotide in women with primary breast cancer. <i>Ann Surg Oncol</i> 6:367-72, 1999.
A 58.	de Jong M, Breeman WA, Bernard BF, Bakker WH, Schaar M, van Gameren A, Bugaj JE, Erion J, Schmidt M, Srinivasan A, and Krenning EP, [177Lu-DOTA(0),Tyr3] octreotate for somatostatin receptor-targeted radionuclide therapy. <i>Int J Cancer</i> 92:628-33, 2001.
A 59.	Dechecchi MC, Tamanini A, Bonizzato A, Cabrini G. Heparan sulfate glycosaminoglycans are involved in adenovirus type 5 and 2-host cell interactions. <i>Virology</i> 268: 382-390, 2000.
A 60.	Dmitriev IP, Kashentseva EA, and Curiel DT, Engineering of adenovirus vectors containing heterologous peptide sequences in the C terminus of capsid protein IX. <i>J Virol</i> 76:6893-9, 2002.
A 61.	Dong J-Y, Fico S, Wang D, Van Ginkel FW, Pascual DW, and Frizzell RA, Systemic analysis of repeated gene delivery into animal lungs with a recombinant adenovirus vector. <i>Human Gene Therapy</i> 7:319-331, 1996.
A 62.	Doring G and Worlitzsch D, Inflammation in cystic fibrosis and its management. <i>Paediatr Respir Rev</i> 1:101-6, 2000.
A 63.	Dubois RN, Abramson SB, Crofford L, Gupta RA, Simon LS, Van De Putte LB, and Lipsky PE, Cyclooxygenase in biology and disease. <i>Faseb J</i> 12:1063-73, 1998.
A 64.	Duthy TG <i>et al.</i> The human complement regulator factor H binds pneumococcal surface protein PspC via short consensus repeats 13 to 15. <i>Infect Immun</i> 70:5604-5611, 2002.
A 65.	Einfeld DA, Schroeder R, Roelvink PW, Lizonova A, King CR, Kovesdi I, and Wickham TJ, Reducing the native tropism of adenovirus vectors requires removal of both CAR and integrin interactions. <i>J Virol</i> 75:11284-91, 2001.
A 66.	Ellegala, et al., Imaging tumor angiogenesis with contrast ultrasound and microbubbles targeted to $\alpha_v\beta_3$ . <i>Circulation</i> 108:336-341, 2003.
A 67.	Fernie-King B, Seilly DJ, Davies A, Lachmann PJ. Subversion of the innate immune response by micro-organisms. <i>Ann Rheum Dis</i> 61 Suppl 2: ii8-12, 2002.
A 68.	Fernie-King BA, Seilly DJ, Davies A, Lachmann PJ. Streptococcal inhibitor of complement inhibits two additional components of the mucosal innate immune system: secretory leukocyte proteinase inhibitor and lysozyme. <i>Infect Immun</i> 70:4908-4916, 2002.
A 69.	Feuerbach D, Fehlmann D, Nunn C, Siehler S, Langenegger D, Bouhelal R, Seuwen K, and Hoyer D, Cloning, expression and pharmacological characterisation of the mouse somatostatin sst(5) receptor. <i>Neuropharmacology</i> 39:1451-62, 2000.
A 70.	Fukuda MN, Ohyama C, Lowitz K, Matsuo O, Pasqualini R, Ruoslahti E, and Fukuda M, A peptide mimic of E-selectin ligand inhibits sialyl Lewis X-dependent lung colonization of tumor cells. <i>Cancer Res</i> 60:450-6, 2000.
A 71.	Gambhir SS, Barrio JR, Herschman HR, and Phelps ME, Assays for noninvasive imaging of reporter gene expression. <i>Nucl Med Biol</i> 26:481-90, 1999.
A 72.	Gambhir SS, Barrio JR, Phelps ME, Iyer M, Namavari M, Satyamurthy N, Wu L, Green LA, Bauer E, MacLaren DC, Nguyen K, Berk AJ, Cherry SR, and Herschman HR, Imaging adenoviral-directed reporter gene expression in living animals with positron emission tomography. <i>Proc Natl Acad Sci U S A</i> 96:2333-8, 1999.
A 73.	Gambhir SS, Barrio JR, Wu L, Iyer M, Namavari M, Satyamurthy N, Bauer E, Parrish C, MacLaren DC, Borghei AR, Green LA, Sharfstein S, Berk AJ, Cherry SR, Phelps ME, and Herschman HR, Imaging of adenoviral-directed herpes simplex virus type 1 thymidine kinase reporter gene expression in mice with radiolabeled ganciclovir. <i>J Nucl Med</i> 39:2003-11, 1998.
A 74.	Gambhir SS, Bauer E, Black ME, Liang Q, Kokoris MS, Barrio JR, Iyer M, Namavari M, Phelps ME, and Herschman HR, A mutant herpes simplex virus type 1 thymidine kinase reporter gene shows improved sensitivity for imaging reporter gene expression with positron emission tomography. <i>Proc Natl Acad Sci U S A</i> 97:2785-90, 2000.
A 75.	Gambhir SS, Herschman HR, Cherry SR, Barrio JR, Satyamurthy N, Toyokuni T, Phelps ME, Larson SM, Balatoni J, Finn R, Sadelain M, Tjuvajev J, and Blasberg R, Imaging transgene expression with radionuclide imaging technologies. <i>Neoplasia</i> 2:118-38, 2000.

A 76.	Gomez-Navarro J, Krasnykh VN, Liu B, Wang W, Barnes MN, Alvarez RD, Siegal GP, Zinn KR, and Curiel DT, Towards clinical exploitation of novel vector paradigms: an adenoviral vector with enhanced infectivity and engineered capacity for in vivo imaging. <i>Mol Ther</i> 1(5):S178, 2000.
A 77.	Greene GL, In vivo imaging reveals estrogen receptor's hidden personality. <i>Nat Med</i> 9:22-3, 2003.
A 78.	Griscelli F, Opolon P, Saulnier P, Mami-Chouaib F, Gautier E, Echchakir H, Angevin E, Le Chevalier T, Bataille V, Squiban P, Tursz T, and Escudier B, Recombinant adenovirus shedding after intratumoral gene transfer in lung cancer patients. <i>Gene Ther</i> 10:386-95, 2003.
A 79.	Groot-Wassink T, Aboagye EO, Glaser M, Lemoine NR, and Vassaux G, Adenovirus biodistribution and noninvasive imaging of gene expression in vivo by positron emission tomography using human sodium/iodide symporter as reporter gene. <i>Hum Gene Ther</i> 13:1723-35, 2002.
A 80.	Grubbs CJ, Farnell DR, Hill DL, and McDonough KC, Chemoprevention of N-nitroso-N-methylurea-induced mammary cancers by pretreatment with 17 beta-estradiol and progesterone. <i>J Natl Cancer Inst</i> 74:927-31, 1985.
A 81.	Hakkarainen T, Hemminki A, Pereboev AV, Barker SD, Asiedu CK, Strong TV, Kanerva A, Wahlfors J, and Curiel DT, CD40 is expressed on ovarian cancer cells and can be utilized for targeting adenoviruses. <i>Clin Cancer Res</i> 9:619-24, 2003.
A 82.	Hemminki A, Belousova N, Zinn KR, Liu B, Wang M, Chaudhuri TR, Rogers BE, Buchsbaum DJ, Siegal GP, Barnes MN, Gomez-Navarro J, Curiel DT, and Alvarez RD, An adenovirus with enhanced infectivity mediates molecular chemotherapy of ovarian cancer cells and allows imaging of gene expression. <i>Mol Ther</i> 4:223-31, 2001.
A 83.	Hemminki A, Zinn KR, Bauerschmitz GJ, Chaudhuri TR, Barnes MN, Alvarez RD, and Curiel DT, Integrin targeted adenoviruses for ovarian cancer gene therapy. <i>Proc of ASCO</i> 21a:82, 2002.
A 84.	Hemminki A, Zinn KR, Liu B, Chaudhuri TR, Desmond RA, Rogers BE, Barnes MN, Alvarez RD, and Curiel DT, In vivo molecular chemotherapy and noninvasive imaging with an infectivity-enhanced adenovirus. <i>J Natl Cancer Inst</i> 94:741-9, 2002.
A 85.	Henze M, Schuhmacher J, Hipp P, Kowalski J, Becker DW, Doll J, Macke HR, Hofmann M, Debus J, and Haberkorn U, PET imaging of somatostatin receptors using [68Ga] DOTA-D-Phe1-Tyr3-octreotide: first results in patients with meningiomas. <i>J Nucl Med</i> 42:1053-6, 2001.
A 86.	Hofmann M, Maecke H, Borner A, Weckesser E, Schoffski P, Oei ML, Schumacher J, Henze M, Heppeler A, Meyer GJ, and Knapp WH, Biokinetics and imaging with the somatostatin receptor PET radioligand 68Ga-DOTATOC: preliminary data. <i>Eur J Nucl Med</i> 28:1751-1757, 2001.
A 87.	Hoyer D, Bell GI, Berelowitz M, Epelbaum J, Feniuk W, Humphrey PP, O'Carroll AM, Patel YC, Schonbrunn A, Taylor JE, and et al., Classification and nomenclature of somatostatin receptors. <i>Trends Pharmacol Sci</i> 16:86-8, 1995.
A 88.	Hustinx R, Shiue CY, Alavi A, McDonald D, Shiue GG, Zhuang H, Lanuti M, Lambright E, Karp JS, and Eck SL, Imaging in vivo herpes simplex virus thymidine kinase gene transfer to tumour-bearing rodents using positron emission tomography and. <i>Eur J Nucl Med</i> 28:5-12, 2001.
A 89.	Ikeda K et al. Oncolytic virus therapy of multiple tumors in the brain requires suppression of innate and elicited antiviral responses. <i>Nat Med</i> 5:881-887, 1999.
A 90.	Ikeda K, Wakimoto H, Ichikawa T, Jhung S, Hochberg FH, Louis DN, and Chiocea EA, Complement depletion facilitates the infection of multiple brain tumors by an intravascular, replication-conditional herpes simplex virus mutant. <i>J Virol</i> 74:4765-75, 2000.
A 91.	Inoue H, Kosaka T, Miyata A, Hara S, Yokoyama C, Nanayama T, and Tanabe T, Structure and expression of the human prostaglandin endoperoxide synthase 2 gene. <i>Adv Prostaglandin Thromboxane Leukot Res</i> 23:109-11, 1995.
A 92.	Inoue H, Yokoyama C, and Tanabe T, Structure and expression of an inducible prostaglandin endoperoxide synthase gene. <i>Tanpakushitsu Kakusan Koso</i> 40:399-408, 1995.
A 93.	Inoue H, Yokoyama C, Hara S, Tone Y, and Tanabe T, Transcriptional regulation of human prostaglandin-endoperoxide synthase-2 gene by lipopolysaccharide and phorbol ester in vascular endothelial cells. Involvement of both nuclear factor for interleukin-6 expression site and cAMP response element. <i>J Biol Chem</i> 270:24965-71, 1995.

A 94.	Iyer M, Wu L, Carey M, Wang Y, Smallwood A, and Gambhir SS, Two-step transcriptional amplification as a method for imaging reporter gene expression using weak promoters. <i>Proc Natl Acad Sci U S A</i> 98:14595-14600, 2001.
A 95.	Jacobs A, Tjuvajev JG, Dubrovin M, Akhurst T, Balatoni J, Beattie B, Joshi R, Finn R, Larson SM, Herrlinger U, Pechan PA, Chiocca EA, Breakefield XO, and Blasberg RG, Positron emission tomography-based imaging of transgene expression mediated by replication-conditional, oncolytic herpes simplex virus type 1 mutant vectors in vivo. <i>Cancer Res</i> 61:2983-95, 2001.
A 96.	Jones HP, Hodge LM, Fujihashi K, Kiyono H, McGhee JR, and Simecka JW, The pulmonary environment promotes Th2 cell responses after nasal-pulmonary immunization with antigen alone, but Th1 responses are induced during instances of intense immune stimulation. <i>J. Immunol.</i> 167:4518-4526, 2001.
A 97.	Jooss K, Chirmule N. Immunity to adenovirus and adeno-associated viral vectors: implications for gene therapy. <i>Gene Ther</i> 10:955-963, 2003;.
A 98.	Kaufmann SH, Immunity to intracellular microbial pathogens. <i>Immunol. Today</i> 16:338-342, 1995.
A 99.	Kent G, Iles R, Bear CE, Huan LJ, Griesenbach U, McKerlie C, Frndova H, Ackerley C, Gosselin D, Radzioch D, O'Brodovich H, Tsui LC, Buchwald M, and Tanswell AK, Lung disease in mice with cystic fibrosis. <i>J Clin Invest</i> 100:3060-9, 1997.
A 100.	Kim M, Zinn KR, Barnett BG, Sumerel LA, Krasnykh V, Curiel DT, and Douglas JT, The therapeutic efficacy of adenoviral vectors for cancer gene therapy is limited by a low level of primary adenovirus receptors on tumour cells. <i>Eur J Cancer</i> 38:1917-26, 2002.
A 101.	Kirby I <i>et al.</i> Identification of contact residues and definition of the CAR-binding site of adenovirus type 5 fiber protein. <i>J Virol</i> 74:2804-2813, 2000.
A 102.	Kirby I <i>et al.</i> Mutations in the DG loop of adenovirus type 5 fiber knob protein abolish high-affinity binding to its cellular receptor CAR. <i>J Virol</i> 73: 9508-9514, 1999.
A 103.	Kluth B, Hess S, Engelmann H, Schafrnitzer S, Riethmuller G, and Feucht HE, Endothelial expression of CD40 in renal cell carcinoma. <i>Cancer Res</i> 57:891-9, 1997.
A 104.	Kobayashi K, Matsumoto S, Morishima T, Kawabe T, and Okamoto T, Cimetidine inhibits cancer cell adhesion to endothelial cells and prevents metastasis by blocking E-selectin expression. <i>Cancer Res</i> 60:3978-84, 2000.
A 105.	Koh E, Patrikeos A, Steens R, and Robins P, Hilar bronchial carcinoid tumor: increased peritumoral vascular expression of somatostatin-2 receptor on an octreotide study? <i>Clin Nucl Med</i> 26:870-1, 2001.
A 106.	Kopf M, Gross GL, Bachmann M, Lamers MC, Bluethmann H, and Kohler G, Disruption of the murine IL-4 gene blocks Th2 cytokine responses. <i>Nature</i> 362:245-248, 1993.
A 107.	Kraling BM, Razon MJ, Boon LM, Zurakowski D, Seachord C, Darveau RP, Mulliken JB, Corless CL, and Bischoff J, E-selectin is present in proliferating endothelial cells in human hemangiomas. <i>Am J Pathol</i> 148:1181-91, 1996.
A 108.	Krasnykh V, Belousova N, Korokhov N, Mikheeva G, and Curiel DT, Genetic targeting of an adenovirus vector via replacement of the fiber protein with the phage T4 fibrin. <i>J Virol</i> 75:4176-83, 2001.
A 109.	Krasnykh V, Dmitriev I, Mikheeva G, Miller CR, Belousova N, and Curiel DT, Characterization of an adenovirus vector containing a heterologous peptide epitope in the HI loop of the fiber knob. <i>J Virol</i> 72:1844-52, 1998.
A 110.	Krasnykh V, Dmitriev I, Navarro JG, Belousova N, Kashentseva E, Xiang J, Douglas JT, and Curiel DT, Advanced generation adenoviral vectors possess augmented gene transfer efficiency based upon coxsackie adenovirus receptor-independent cellular entry capacity. <i>Cancer Res</i> 60:6784-7, 2000.
A 111.	Krasnykh VN, Mikheeva GV, Douglas JT, and Curiel DT, Generation of recombinant adenovirus vectors with modified fibers for altering viral tropism. <i>J Virol</i> 70:6839-46, 1996.
A 112.	Lachmann PJ. Microbial subversion of the immune response. <i>Proc Natl Acad Sci U S A</i> 99:8461-8462, 2002
A 113.	Langley RR, Russell J, Eppihimer MJ, Alexander SJ, Gerritsen M, Specian RD, and Granger DN, Quantification of murine endothelial cell adhesion molecules in solid tumors. <i>Am J Physiol</i> 277:H1156-66, 1999.
A 114.	Larsen SK, Solomon HF, Caldwell G, and Abrams MJ, [99mTc]tricine: a useful precursor complex for the radiolabeling of hydrazinonicotinate protein conjugates. <i>Bioconjug Chem</i> 6:635-8, 1995.

A 115.	Lerondel S, Le Pape A, Sene C, Faure L, Bernard S, Diot P, Nicolis E, Mehtali M, Lusk M, Cabrini G, and Pavirani A, Radioisotopic imaging allows optimization of adenovirus lung deposition for cystic fibrosis gene therapy. <i>Hum Gene Ther</i> 12:1-11, 2001.
A 116.	Li CY, Shan S, Huang Q, Braun RD, Lanzen J, Hu K, Lin P, and Dewhirst MW, Initial stages of tumor cell-induced angiogenesis: evaluation via skin window chambers in rodent models. <i>J Natl Cancer Inst</i> 92:143-7, 2000.
A 117.	Liang Q, Satyamurthy N, Barrio JR, Toyokuni T, Phelps MP, Gambhir SS, and Herschman HR, Noninvasive, quantitative imaging in living animals of a mutant dopamine D2 receptor reporter gene in which ligand binding is uncoupled from signal transduction. <i>Gene Ther</i> 8:1490-8, 2001.
A 118.	Lipsky PE, Brooks P, Crofford LJ, DuBois R, Graham D, Simon LS, van de Putte LB, and Abramson SB, Unresolved issues in the role of cyclooxygenase-2 in normal physiologic processes and disease. <i>Arch Intern Med</i> 160:913-20, 2000.
A 119.	Lohr F, Huang Q, Hu K, Dewhirst MW, and Li CY, Systemic vector leakage and transgene expression by intratumorally injected recombinant adenovirus vectors. <i>Clin Cancer Res</i> 7:3625-8, 2001.
A 120.	Lowry O, Rosebrough N, Farr L, and Randall R, Protein measurement with the folin phenol reagent. <i>J Biol Chem</i> 193:265-275, 1951.
A 121.	Lugtenburg PJ, Krenning EP, Valkema R, Oei HY, Lamberts SW, Eijkemans MJ, van Putten WL, and Lowenberg B, Somatostatin receptor scintigraphy useful in stage I-II Hodgkin's disease: more extended disease identified. <i>Br J Haematol</i> 112:936-44, 2001.
A 122.	MacLaren DC, Gambhir SS, Satyamurthy N, Barrio JR, Sharfstein S, Toyokuni T, Wu L, Berk AJ, Cherry SR, Phelps ME, and Herschman HR, Repetitive, non-invasive imaging of the dopamine D2 receptor as a reporter gene in living animals. <i>Gene Ther</i> 6:785-91, 1999.
A 123.	Maisch T, Kropff B, Sinzger C, and Mach M, Upregulation of CD40 expression on endothelial cells infected with human cytomegalovirus. <i>J Virol</i> 76:12803-12, 2002.
A 124.	Manchanda R, Azure M, Lister-James J, Bush L, Zinn K, Baggs R, and Dean R, Tumor regression in rat pancreatic (AR42J) tumor-bearing mice with Re-188 P2045 - a somatostatin analog. <i>Clin Cancer Res</i> 5:3769, 1999.
A 125.	Marinero M, Staats HF, Hiroi T, Coste M, Jackson RJ, Boyaka PN, Okahashi N, Yamamoto M, Kiyono H, Bluethmann H, Fujihashi K, and McGhee JR, Mucosal adjuvant effect of cholera toxin in mice results from induction of T helper 2 (Th2) cells and IL-4. <i>J. Immunol.</i> 155:4621-4629, 1995.
A 126.	Martens CL, Cwirla SE, Lee RY, Whitehorn E, Chen EY, Bakker A, Martin EL, Wagstrom C, Gopalan P, Smith CW, and et al., Peptides which bind to E-selectin and block neutrophil adhesion. <i>J Biol Chem</i> 270:21129-36, 1995.
A 127.	Matsumoto S, Imaeda Y, Umemoto S, Kobayashi K, Suzuki H, and Okamoto T, Cimetidine increases survival of colorectal cancer patients with high levels of sialyl Lewis-X and sialyl Lewis-A epitope expression on tumour cells. <i>Br J Cancer</i> 86:161-7, 2002.
A 128.	McIntosh DP, Tan XY, Oh P, and Schnitzer JE, Targeting endothelium and its dynamic caveolae for tissue-specific transcytosis in vivo: a pathway to overcome cell barriers to drug and gene delivery. <i>Proc Natl Acad Sci U S A</i> 99:1996-2001, 2002.
A 129.	Meri T, Hartmann A, Lenk D, Eck R, Wurzner R, Hellwage J, Meri S, and Zipfel PF, The yeast <i>Candida albicans</i> binds complement regulators factor H and FHL-1. <i>Infect Immun</i> 70:5185-92, 2002.
A 130.	Meri T, Jokiranta TS, Hellwage J, Bialonski A, Zipfel PF, and Meri S, <i>Onchocerca volvulus</i> microfilariae avoid complement attack by direct binding of factor H. <i>J Infect Dis</i> 185:1786-93, 2002.
A 131.	Moffatt S, Hays J, HogenEsch H, and Mittal SK, Circumvention of vector-specific neutralizing antibody response by alternating use of human and non-human adenoviruses: implications in gene therapy. <i>Virology</i> 272:159-167, 2000.
A 132.	"Monitoring of promoter efficiency using the firefly luciferase reporter gene assay," <a href="http://www.tecan.com/platform/content/element/1555/Tecan_GENiosPlus_AppNote_PromoterEfficiency.pdf">http://www.tecan.com/platform/content/element/1555/Tecan_GENiosPlus_AppNote_PromoterEfficiency.pdf</a> 2005
A 133.	Moore A, Josephson L, Bhorade RM, Basilion JP, and Weissleder R, Human transferrin receptor gene as a marker gene for mr imaging. <i>Radiology</i> 221:244-50, 2001.
A 134.	Mosmann TR and Coffman RL, Th1 and Th2 cells: different patterns of lymphokine secretion lead to different functional properties. <i>Annu. Rev. Immunol.</i> 7:145-173, 1989.

A 135.	Nakamura T, Sato K, Hamada H. Reduction of natural adenovirus tropism to the liver by both ablation of fiber-coxsackievirus and adenovirus receptor interaction and use of replaceable short fiber. <i>J Virol</i> 77: 2512-2521, 2003.
A 136.	Nguyen HH, van Ginkel FW, Vu HL, McGhee JR, and Mestecky J, Heterosubtypic immunity to influenza A virus infection requires B cells but not cytotoxic T lymphocytes (CTL). <i>J. Infect Dis.</i> 183:368-376, 2001.
A 137.	Nguyen M, Corless CL, Kraling BM, Tran C, Atha T, Bischoff J, and Barsky SH, Vascular expression of E-selectin is increased in estrogen-receptor-negative breast cancer: a role for tumor-cell-secreted interleukin-1 alpha. <i>Am J Pathol</i> 150:1307-14, 1997.
A 138.	Ogawa O, Umegaki H, Ishiwata K, Asai Y, Ikari H, Oda K, Toyama H, Ingram DK, Roth GS, Iguchi A, and Senda M, In vivo imaging of adenovirus-mediated over-expression of dopamine D2 receptors in rat striatum by positron emission tomography. <i>Neuroreport</i> 11:743-8, 2000.
A 139.	Ohtsuki K, Akashi K, Aoka Y, Blankenberg FG, Kapiwoda S, Tait JF, and Strauss HW, Technetium-99m HYNIC-annexin V: a potential radiopharmaceutical for the in-vivo detection of apoptosis. <i>Eur J Nucl Med</i> 26:1251-8, 1999.
A 140.	Oikonomou A, Manavis J, Karagianni P, Tsanakas J, Wells AU, Hansell DM, Papadopoulou F, and Efremidis SC, Loss of FEV1 in cystic fibrosis: correlation with HRCT features. <i>Eur Radiol</i> 12:2229-35, 2002.
A 141.	Pain F, Laniece P, 2.4 New Advances in <i>In Vivo</i> Small Animal Imaging, <a href="http://www.nupecc.org/iai2001/report/B24.pdf">http://www.nupecc.org/iai2001/report/B24.pdf</a>
A 142.	Pammer J, Plettenberg A, Weninger W, Diller B, Mildner M, Uthman A, Issing W, Sturzl M, and Tschachler E, CD40 antigen is expressed by endothelial cells and tumor cells in Kaposi's sarcoma. <i>Am J Pathol</i> 148:1387-96, 1996.
A 143.	Pammer J, Weninger W, Mazal PR, Horvat R, and Tschachler E, Expression of the CD40 antigen on normal endothelial cells and in benign and malignant tumours of vascular origin. <i>Histopathology</i> 29:517-24, 1996.
A 144.	Pascual DW, McGhee JR, Kiyono H, and Bost KL, Neuroimmune modulation of lymphocyte function. I. Substance P enhances immunoglobulin synthesis in lipopolysaccharide activated murine splenic B cell cultures. <i>Int. Immunol.</i> 3:1223-1229, 1991.
A 145.	Ponnazhagan S, Curiel DT, Shaw DR, Alvarez RD, and Siegal GP, Adeno-associated virus for cancer gene therapy. <i>Cancer Res</i> 61:6313-21, 2001.
A 146.	Ponnazhagan S, Mahendra G, Kumar S, Thompson JA, and Castillas M, Jr., Conjugate-based targeting of recombinant adeno-associated virus type 2 vectors by using avidin-linked ligands. <i>J Virol</i> 76:12900-7, 2002.
A 147.	Quigg RJ and Holers VM, Characterization of rat complement receptors and regulatory proteins. CR2 and Crry are conserved, and the C3b receptor of neutrophils and platelets is distinct from CR1. <i>J Immunol</i> 155:1481-8, 1995.
A 148.	Ratjen F and Doring G, Cystic fibrosis. <i>Lancet</i> 361:681-9, 2003.
A 149.	Ray P, Bauer E, Iyer M, Barrio JR, Satyamurthy N, Phelps ME, Herschman HR, and Gambhir SS, Monitoring gene therapy with reporter gene imaging. <i>Semin Nucl Med</i> 31:312-20, 2001.
A 150.	Rennen HJ, Boerman OC, Koenders EB, Oyen WJ, and Corstens FH, Labeling proteins with Tc-99m via hydrazinonicotinamide (HYNIC): optimization of the conjugation reaction. <i>Nucl Med Biol</i> 27:599-604, 2000.
A 151.	Reubi JC, Schar JC, Waser B, Wenger S, Heppeler A, Schmitt JS, and Macke HR, Affinity profiles for human somatostatin receptor subtypes SST1-SST5 of somatostatin radiotracers selected for scintigraphic and radiotherapeutic use. <i>Eur J Nucl Med</i> 27:273-82, 2000.
A 152.	Reynolds PN, Zinn KR, Gavriluk VD, Balyasnikova IV, Rogers BE, Buchsbaum DJ, Wang MH, Miletich DJ, Grizzle WE, Douglas JT, Danilov SM, and Curiel DT, A targetable, injectable adenoviral vector for selective gene delivery to pulmonary endothelium in vivo. <i>Mol Ther</i> 2:562-78, 2000.
A 153.	Rodriguez-Burford C, Lubet RA, Eto I, Juliana MM, Kelloff GJ, Grubbs CJ, and Steele VE, Effect of reduced body weight gain on the evaluation of chemopreventive agents in the methylnitrosourea-induced mammary cancer model. <i>Carcinogenesis</i> 20:71-6, 1999.



A 154.	Rodriguez-Burford C, Lubet RA, Steele VE, Eto I, Bandy M, Juliana MM, Weiss HL, Grizzle WE, Kelloff GJ, and Grubbs CJ, Effects of acute and chronic body weight gain reductions in the evaluation of agents for efficacy in mammary cancer prevention. <i>Oncol Rep</i> 8:373-9, 2001.
A 155.	Rogers BE, Chaudhuri TR, Reynolds PN, Della Manna DL, and Zinn KR, Non-Invasive gamma camera imaging of gene transfer using an adenoviral vector encoding an epitope-tagged receptor as a reporter. <i>Gene Ther</i> 10:105-114, 2003.
A 156.	Rogers BE, Chaudhuri TR, Belousova N, Kirkman RL, Della Manna D, Krasnykh VN, and Zinn KR, Evaluation of a dual gene adenovirus encoding somatostatin receptor subtype 2 and cytosine deaminase in the context of human prostate cancer. <i>Proc Am Assoc Cancer Res</i> 43:84, 2002.
A 157.	Rogers BE, Chaudhuri TR, Della Manna D, Robinson GD, and Zinn K, Evaluation of an adenoviral vector encoding a model chimeric receptor as a reporter for imaging gene transfer. <i>Mol Ther</i> 3:S57, 2001.
A 158.	Rogers BE, Chaudhuri TR, Della Manna DL, Leay LL, Yamamoto M, and Zinn KR, Evaluation of an Adenoviral Vector Encoding Somatostatin Receptor Subtype 2 under the Control of a Cyclooxygenase-2 Promoter in the Context of Human Prostate Cancer. <i>Mol Ther</i> 5:S109, 2002.
A 159.	Rogers BE, Zinn KR, and Buchsbaum DJ, Gene transfer strategies for improving radiolabeled peptide imaging and therapy. <i>Q J Nucl Med</i> 44:208-23, 2000.
A 160.	Rogers BE, Zinn KR, Chaudhuri TR, Lin CY, and Buchsbaum DJ, Targeted radiotherapy with Y-90-SMT 487 in mice bearing human non-small cell lung tumor xenografts induced to express human somatostatin receptor subtype 2 with an adenoviral vector. <i>Cancer Biother Radiopharm</i> 15:403, 2000.
A 161.	Rogers BE, Zinn KR, Lin CY, Chaudhuri TR, and Buchsbaum DJ, Targeted radiotherapy with [(90)Y]-SMT 487 in mice bearing human nonsmall cell lung tumor xenografts induced to express human somatostatin receptor subtype 2 with an adenoviral vector. <i>Cancer</i> 94:1298-1305, 2002.
A 162.	Ruiz FE, Clancy JP, Perricone MA, Bebok Z, Hong JS, Cheng SH, Meeker DP, Young KR, Schoumacher RA, Weatherly MR, Wing L, Morris JE, Sindel L, Rosenberg M, Van Ginkel FW, McGhee JR, Kelly D, Lyrene RK, and Sorscher EJ, A clinical inflammatory syndrome attributable to aerosolized lipid-DNA administration in cystic fibrosis. <i>Human Gene Therapy</i> 12:751-761, 2001.
A 163.	Rux JJ, Burnett RM, Type-specific epitope locations revealed by X-ray crystallographic study of adenovirus type 5 hexon, <i>Mol Ther</i> 1(1):18-30, 2000.
A 164.	Rux JJ, Kuser PR, Structural and phylogenetic analysis of adenovirus hexons by use of high-resolution X-ray crystallographic, molecular modeling and sequence-based methods. <i>J Virol</i> 77(17):9553-9566
A 165.	Sagel SD, Sontag MK, Wagener JS, Kapsner RK, Osberg I, and Accurso FJ, Induced sputum inflammatory measures correlate with lung function in children with cystic fibrosis. <i>J Pediatr</i> 141:811-7, 2002.
A 166.	Santis G <i>et al.</i> Molecular determinants of adenovirus serotype 5 fibre binding to its cellular receptor CAR. <i>J Gen Virol</i> 80 ( Pt 6):1519-1527, 1999.
A 167.	Schellingerhout D, Bogdanov A, Jr., Marecos E, Spear M, Breakefield X, and Weissleder R, Mapping the in vivo distribution of herpes simplex virions. <i>Hum Gene Ther</i> 9:1543-9, 1998.
A 168.	Schiffelers RM, Molema G, ten Hagen TL, Janssen AP, Schraa AJ, Kok RJ, Koning GA, and Storm G, Ligand-targeted liposomes directed against pathological vasculature. <i>J Liposome Res</i> 12:129-35, 2002.
A 169.	Schnitzer JE, Caveolae: from basic trafficking mechanisms to targeting transcytosis for tissue-specific drug and gene delivery in vivo. <i>Adv Drug Deliv Rev</i> 49:265-80, 2001.
A 170.	Schraa AJ, Everts M, Kok RJ, Asgeirsdottir SA, Meijer DK, de Leij LF, and Molema G, Development of vasculature targeting strategies for the treatment of cancer and chronic inflammatory diseases. <i>Biotechnol Annu Rev</i> 8:133-65, 2002.
A 171.	Schraa AJ, Kok RJ, Moorlag HE, Bos EJ, Proost JH, Meijer DK, de Leij LF, and Molema G, Targeting of RGD-modified proteins to tumor vasculature: a pharmacokinetic and cellular distribution study. <i>Int J Cancer</i> 102:469-75, 2002.
A 172.	Shayakhmetov DM <i>et al.</i> Binding of adenovirus fiber knob to blood coagulation factors mediates CAR-independent liver tropism. <i>Mol Ther</i> 7:S165, 2003.

A 173.	Simecka JW, Patel P, Davis JK, Ross SE, Otwell P, and Cassell GH, Specific and nonspecific antibody responses in different segments of the respiratory tract in rats infected with <i>Mycoplasma pulmonis</i> . <i>Infect. Immun.</i> 59:3715-3721, 1991.
A 174.	Simecka JW, Thorp RB, and Cassell GH, Dendritic cells are present in the alveolar region of lungs from specific pathogen-free rats. <i>Reg. Immunol.</i> 4:18-24, 1992.
A 175.	Slooter GD, Mearadji A, Breeman WA, Marquet RL, de Jong M, Krenning EP, and van Eijck CH, Somatostatin receptor imaging, therapy and new strategies in patients with neuroendocrine tumours. <i>Br J Surg</i> 88:31-40, 2001.
A 176.	Smith TA, Idamakanti N, Wright PM, Marshall-Neff J, Rollence ML, Nemerow GR, Mech C, Pinkstaff A, Kaloss M, Kaleko M, and Stevenson SC, Heparan sulfate proteoglycans, and not CAR or integrins, are the major receptors for hepatic adenoviral transduction in vivo. <i>Mol Ther</i> 5:S149, 2002.
A 177.	Staal-van den Brekel AJ, Thunnissen FB, Buurman WA, and Wouters EF, Expression of E-selectin, intercellular adhesion molecule (ICAM)-1 and vascular cell adhesion molecule (VCAM)-1 in non-small-cell lung carcinoma. <i>Virchows Arch</i> 428:21-7, 1996.
A 178.	Stegman LD, Rehemtulla A, Beattie B, Kievit E, Lawrence TS, Blasberg RG, Tjuvajev JG, and Ross BD, Noninvasive quantitation of cytosine deaminase transgene expression in human tumor xenografts with in vivo magnetic resonance spectroscopy. <i>Proc Natl Acad Sci U S A</i> 96:9821-6, 1999.
A 179.	Stevens TL, Bossie A, Sanders VM, Fernandez-Botran R, Coffman RL, Mosmann TR, and Vitetta ES, Regulation of antibody isotype secretion by subsets of antigen-specific helper T cells. <i>Nature</i> 334:255-258, 1988.
A 180.	Stoiber H, Speth C, Dierich MP. Role of complement in the control of HIV dynamics and pathogenesis. <i>Vaccine</i> 21 Suppl 2:S77-82, 2003.
A 181.	Suresh M <i>et al.</i> Complement component 3 is required for optimal expansion of CD8 T cells during a systemic viral infection. <i>J Immunol</i> 170:788-794, 2003.
A 182.	Szalai AJ, Briles DE, and Volanakis JE, Role of complement in C-reactive-protein-mediated protection of mice from <i>Streptococcus pneumoniae</i> . <i>Infect Immun</i> 64:4850-3, 1996.
A 183.	Tao N <i>et al.</i> Sequestration of adenoviral vector by Kupffer cells leads to a nonlinear dose response of transduction in liver. <i>Mol Ther</i> 3:8-35, 2001.
A 184.	Tattersson LE, Poschet JF, Firoved A, Skidmore J, and Deretic V, CFTR and pseudomonas infections in cystic fibrosis. <i>Front Biosci</i> 6:D890-7, 2001.
A 185.	Thomas CE, Schiedner G, Kochanek S, Castro MG, and Lowenstein PR, Preexisting antiadenoviral immunity is not a barrier to efficient and stable transduction of the brain, mediated by novel high-capacity adenovirus vectors. <i>Human Gene Therapy</i> 12:839-846, 2001.
A 186.	Thomas GR, Costelloe EA, Lunn DP, Stacey KJ, Delaney SJ, Passey R, McGlinn EC, McMorran BJ, Ahadizadeh A, Geczy CL, Wainwright BJ, and Hume DA, G551D cystic fibrosis mice exhibit abnormal regulation of inflammation in lungs and macrophages. <i>J Immunol</i> 164:3870-7, 2000.
A 187.	Thomas WD, Smith MJ, Si Z, and Hersey P, Expression of the co-stimulatory molecule CD40 on melanoma cells. <i>Int J Cancer</i> 68:795-801, 1996.
A 188.	Tiddens HA, Detecting early structural lung damage in cystic fibrosis. <i>Pediatr Pulmonol</i> 34:228-31, 2002.
A 189.	Tjuvajev JG, Avril N, Oku T, Sasajima T, Miyagawa T, Joshi R, Safer M, Beattie B, DiResta G, Daghighian F, Augensen F, Koutcher J, Zweit J, Humm J, Larson SM, Finn R, and Blasberg R, Imaging herpes virus thymidine kinase gene transfer and expression by positron emission tomography. <i>Cancer Res</i> 58:4333-41, 1998.
A 190.	Tjuvajev JG, Chen SH, Joshi A, Joshi R, Guo ZS, Balatoni J, Ballon D, Koutcher J, Finn R, Woo SL, and Blasberg RG, Imaging adenoviral-mediated herpes virus thymidine kinase gene transfer and expression in vivo. <i>Cancer Res</i> 59:5186-93, 1999.
A 191.	Tjuvajev JG, Finn R, Watanabe K, Joshi R, Oku T, Kennedy J, Beattie B, Koutcher J, Larson S, and Blasberg RG, Noninvasive imaging of herpes virus thymidine kinase gene transfer and expression: a potential method for monitoring clinical gene therapy. <i>Cancer Res</i> 56:4087-95, 1996.
A 192.	Tjuvajev JG, Joshi A, Callegari J, Lindsley L, Joshi R, Balatoni J, Finn R, Larson SM, Sadelain M, and Blasberg RG, A general approach to the non-invasive imaging of transgenes using cis- linked herpes simplex virus thymidine kinase. <i>Neoplasia</i> 1:315-20, 1999.

A 193.	Tong AW and Stone MJ, Prospects for CD40-directed experimental therapy of human cancer. <i>Cancer Gene Ther</i> 10:1-13, 2003.
A 194.	Tong AW, Papayoti MH, Netto G, Armstrong DT, Ordonez G, Lawson JM, and Stone MJ, Growth-inhibitory effects of CD40 ligand (CD154) and its endogenous expression in human breast cancer. <i>Clin Cancer Res</i> 7:691-703, 2001.
A 195.	Ultee ME, Bridger GJ, Abrams MJ, Longley CB, Burton CA, Larsen SK, Henson GW, Padmanabhan S, Gaul FE, and Schwartz DA, Tumor imaging with technetium-99m-labeled hydrazinonicotinamide-Fab' conjugates. <i>J Nucl Med</i> 38:133-8, 1997.
A 196.	Uotani H, Yamashita I, Nagata T, Kishimoto H, Kashii Y, and Tsukada K, Induction of E-selectin after partial hepatectomy promotes metastases to liver in mice. <i>J Surg Res</i> 96:197-203, 2001.
A 197.	van Eijck CH, de Jong M, Breeman WA, Slooter GD, Marquet RL, and Krenning EP, Somatostatin receptor imaging and therapy of pancreatic endocrine tumors. <i>Ann Oncol</i> 10:177-81, 1999.
A 198.	van Ginkel FW, Liu C, Simecka JW, Dong J-Y, Greenway T, Frizzell RA, Kiyono H, McGhee JR, and Pascual DW, Intratracheal gene delivery with adenoviral vector induces elevated systemic IgG and mucosal IgA antibodies to adenovirus and b-galactosidase. <i>Hum Gene Ther</i> 6:895-903, 1995.
A 199.	van Ginkel FW, McGhee JR, Liu C, Simecka JW, Yamamoto M, Frizzell RA, Sorscher EJ, Kiyono H, and Pascual DW, Adenoviral gene delivery elicits distinct pulmonary-associated T helper cell responses to the vector and to its transgene. <i>J. Immunol.</i> 159:685-693, 1997.
A 200.	van Ginkel FW, Wahl SM, Kearney JF, Kweon MN, Fujihashi K, Burrows PD, Kiyono H, and McGhee JR, Partial IgA-deficiency with increased Th2-type cytokines in TGF-beta 1 knockout mice. <i>J. Immunol.</i> 163:1951-1957, 1999.
A 201.	Vanderkwaak TJ <i>et al.</i> An advanced generation of adenoviral vectors selectively enhances gene transfer for ovarian cancer gene therapy approaches. <i>Gynecol Oncol</i> 74:227-234, 1999.
A 202.	Virgolini I, Leimer M, Handmaker H, Lastoria S, Bischof C, Muto P, Pangerl T, Gludovacz D, Peck-Radosavljevic M, Lister-James J, Hamilton G, Kaserer K, Valent P, and Dean R, Somatostatin receptor subtype specificity and in vivo binding of a novel tumor tracer, 99mTc-P829. <i>Cancer Res</i> 58:1850-9, 1998.
A 203.	Von Seggern DJ, Huang S, Fleck SK, Stevenson SC, and Nemerow GR, Adenovirus vector pseudotyping in fiber-expressing cell lines: improved transduction of Epstein-Barr virus-transformed B cells. <i>J Virol</i> 74:354-62, 2000.
A 204.	Vonderheide RH, Dutcher JP, Anderson JE, Eckhardt SG, Stephans KF, Razvillas B, Garl S, Butine MD, Perry VP, Armitage RJ, Ghalie R, Caron DA, and Gribben JG, Phase I study of recombinant human CD40 ligand in cancer patients. <i>J Clin Oncol</i> 19:3280-7, 2001.
A 205.	Waibel R, Alberto R, Willuda J, Finnerm R, Schibli R, Stichelberger A, Egli A, Abram U, Mach JP, Pluckthun A, and Schubiger PA, Stable one-step technetium-99m labeling of His-tagged recombinant proteins with a novel Tc(I)-carbonyl complex. <i>Nat Biotechnol</i> 17:897-901, 1999.
A 206.	Walport MJ. Complement. First of two parts. <i>N Engl J Med</i> 344:1058-1066, 2001.
A 207.	Walport MJ. Complement. Second of two parts. <i>N Engl J Med</i> 344:1140-1144, 2001.
A 208.	Walter G, Barton ER, and Sweeney HL, Noninvasive measurement of gene expression in skeletal muscle. <i>Proc Natl Acad Sci U S A</i> 97:5151-5, 2000.
A 209.	Watson JC, Balster DA, Gebhardt BM, O'Dorisio TM, O'Dorisio MS, Espenan GD, Drouant GJ, and Woltering EA, Growing vascular endothelial cells express somatostatin subtype 2 receptors. <i>Br J Cancer</i> 85:266-72, 2001.
A 210.	Weiss HL, Rodriguez-Burford C, Grubbs CJ, and Grizzle WE, Longitudinal analysis of mammary cancer multiplicity in chemoprevention studies. <i>Anticancer Res</i> 20:2281-7, 2000.
A 211.	Wu JC, Inubushi M, Sundaresan G, Schelbert HR, and Gambhir SS, Optical imaging of cardiac reporter gene expression in living rats. <i>Circulation</i> 105:1631-4, 2002.
A 212.	Wu JC, Sundaresan G, Iyer M, and Gambhir SS, Noninvasive optical imaging of firefly luciferase reporter gene expression in skeletal muscles of living mice. <i>Mol Ther</i> 4:297-306, 2001.

A 213.	Xu Y, Clark JC, Aronow BJ, Dey CR, Liu C, Wooldridge JL, and Whitsett JA, Transcriptional adaptation to cystic fibrosis transmembrane conductance regulator deficiency. <i>J Biol Chem</i> 278:7674-82, 2003.
A 214.	Xu-Amano J, Kiyono H, Jackson RJ, Staats HF, Fujihashi K, Burrows PD, Elson CO, Pillai S, and McGhee JR, Helper T cell subsets for immunoglobulin A responses : oral immunization with tetanus toxoid and cholera toxin as adjuvant selectively induces Th2 in mucosa associated tissues. <i>J. Exp. Med.</i> 178:1309-1320, 1993.
A 215.	Yamada Y, Post SR, Wang K, Tager HS, Bell GI, and Seino S, Cloning and functional characterization of a family of human and mouse somatostatin receptors expressed in brain, gastrointestinal tract, and kidney. <i>Proc Natl Acad Sci U S A</i> 89:251-5, 1992.
A 216.	Yamamoto M, Alemnay R, Adachi Y, Grizzle WE, and Curiel DT, Characterization of the cyclooxygenase-2 promoter in an adenoviral vector and its application for the mitigation of toxicity in suicide gene therapy of gastrointestinal cancers. <i>Mol Ther</i> 3:385-94., 2001.
A 217.	Yang M, Baranov E, Jiang P, Sun FX, Li XM, Li L, Hasegawa S, Bouvet M, Al-Tuwaijri M, Chishima T, Shimada H, Moossa AR, Penman S, and Hoffman RM, Whole-body optical imaging of green fluorescent protein-expressing tumors and metastases. <i>Proc Natl Acad Sci U S A</i> 97:1206-11, 2000.
A 218.	Yang M, Baranov E, Li XM, Wang JW, Jiang P, Li L, Moossa AR, Penman S, and Hoffman RM, Whole-body and intravital optical imaging of angiogenesis in orthotopically implanted tumors. <i>Proc Natl Acad Sci U S A</i> 98:2616-2621, 2001.
A 219.	Yang M, Hasegawa S, Jiang P, Wang X, Tan Y, Chishima T, Shimada H, Moossa AR, and Hoffman RM, Widespread skeletal metastatic potential of human lung cancer revealed by green fluorescent protein expression. <i>Cancer Res</i> 58:4217-21, 1998.
A 220.	Yang M, Jiang P, An Z, Baranov E, Li L, Hasegawa S, Al-Tuwaijri M, Chishima T, Shimada H, Moossa AR, and Hoffman RM, Genetically fluorescent melanoma bone and organ metastasis models. <i>Clin Cancer Res</i> 5:3549-59, 1999.
A 221.	Yu H, Hanes M, Chrisp CE, Boucher JC, and Deretic V, Microbial pathogenesis in cystic fibrosis: pulmonary clearance of mucoid <i>Pseudomonas aeruginosa</i> and inflammation in a mouse model of repeated respiratory challenge. <i>Infect Immun</i> 66:280-8, 1998.
A 222.	Yu Y, Annala AJ, Barrio JR, Toyokuni T, Satyamurthy N, Namavari M, Cherry SR, Phelps ME, Herschman HR, and Gambhir SS, Quantification of target gene expression by imaging reporter gene expression in living animals. <i>Nat Med</i> 6:933-7, 2000.
A 223.	Yuasa K, Sakamoto M, Miyagoe-Suzuki Y, Tanouchi A, Yamamoto H, Li J, Chamberlain JS, Xiao X, and Takeda S, Adeno-associated virus vector-mediated gene transfer into dystrophin-deficient skeletal muscles evokes enhanced immune response against the transgene product. <i>Gene Therapy</i> 9:1576-1588, 2002.
A 224.	Yull FE <i>et al.</i> Bioluminescent detection of endotoxin effects on HIV-1 LTR-driven transcription in vivo. <i>J Histochem Cytochem</i> 51:741-749, 2003.
A 225.	Zaiss AK <i>et al.</i> Differential activation of innate immune responses by adenovirus and adeno-associated virus vectors. <i>J Virol</i> 76:4580-4590, 2002.
A 226.	Zinn K, Buchsbaum D, Chaudhuri T, Mountz J, Krasnykh V, Curiel D, and Rogers B, Simultaneous in vivo imaging of thymidine kinase and somatostatin receptor expression after gene transfer with an adenoviral vector encoding both genes. <i>Mol Ther</i> 1:S44, 2000.
A 227.	Zinn K, Bush L, Mountz J, Chaudhuri TR, Hwang S, Dean R, and Azure M, Dose-dependent tumor suppression in nude mice by radiotherapy with Re-188-labeled P829, a somatostatin receptor (SSTR) avid peptide. <i>J Nucl Med</i> 5:223P, 1999.
A 228.	Zinn KR and Chaudhuri TR, Imaging Adenovirus-Mediated Gene Transfer., in <i>Adenoviral Vectors for Gene Therapy</i> , Curiel DT and Douglas JT, Editors. 2002, Academic Press.
A 229.	Zinn KR and Chaudhuri TR, The type 2 human somatostatin receptor as a platform for reporter gene imaging. <i>Eur J Nucl Med</i> 29:388-99, 2002.
A 230.	Zinn KR, Buchsbaum DJ, Chaudhuri TR, Mountz JM, and Rogers BE, Tc-99m-P2045: A new peptide for imaging somatostatin receptor gene transfer. <i>J Nucl Med</i> 41:81P, 2000.
A 231.	Zinn KR, Buchsbaum DJ, Chaudhuri TR, Mountz JM, Grizzle WE, and Rogers BE, Noninvasive monitoring of gene transfer using a reporter receptor imaged with a high-affinity peptide radiolabeled with 99mTc or 188Re. <i>J Nucl Med</i> 41:887-95, 2000.
A 232.	Zinn KR, Cao Z, Ma Z, and Chaudhuri TR, Detection of Ovarian Cancer with a New Plasmid Vector Encoding Two Reporters: Blood-Based Screening Combined with Imaging. <i>Mol Ther</i> 5:S77, 2002.

A 233.	Zinn KR, Cao Z, Partridge EE, and Chaudhuri TR, Noninvasive detection of ovarian cancer by simultaneous light-based and gamma-camera imaging. <i>Proc of ASCO</i> 21a:2994, 2002.
A 234.	Zinn KR, Cao Z, Rodriguez-Burford C, and Chaudhuri TR, Validation of non-invasive light-based imaging by gamma camera imaging in prostate cancer xenografts. <i>Eur J Nucl Med Mol Imaging</i> 29:S163, 2002.
A 235.	Zinn KR, Chaudhuri TR, Cao Z, Kastis GA, Bettan M, Liu Z, Howison CM, Stevenson GD, Furenlid LR, Wilson DW, and Barrett H, Ultra-high resolution SPECT detects areas of Ad-mediated human type 2 somatostatin receptor (hSSTR2) expression within xenograft tumors in live mice. <i>Mol. Imag. Biol</i> 4:S43, 2002.
A 236.	Zinn KR, Chaudhuri TR, Belousova N, Buchsbaum DJ, Mountz JM, Curiel DT, Krasnykh MN, and Rogers BE, Dose-response comparison for two in vivo reporter genes for imaging transfer. <i>Mol Ther</i> 3:S29, 2001.
A 237.	Zinn KR, Chaudhuri TR, Belousova N, Davis A, Mountz JJ, Mountz J, Curiel D, and Krasnykh V, In vitro and in vivo imaging of 99mTc-labeled recombinant adenovirus. <i>Mol Ther</i> 3:S136, 2001.
A 238.	Zinn KR, Chaudhuri TR, Belousova N, Davis AJ, Curiel DT, and Krasnykh VN, Imaging evaluation of Tc-99m-labeled recombinant adenovirus. <i>Eur J Nucl Med</i> 28(8):1027, 2001.
A 239.	Zinn KR, Chaudhuri TR, Buchsbaum D, Mountz J, and Rogers B, Development of a non-invasive reporter system to image adenoviral-mediated gene transfer to ovarian cancer. <i>Gynec Oncol</i> 80:281, 2001.
A 240.	Zinn KR, Chaudhuri TR, Buchsbaum DJ, Mountz JM, and Rogers BE, A high capacity imaging method for detecting the expression of somatostatin receptor following gene transfer. <i>J Nucl Med</i> 41:81P, 2000.
A 241.	Zinn KR, Chaudhuri TR, Buchsbaum DJ, Mountz JM, and Rogers BE, Detection and measurement of in vitro gene transfer by gamma camera imaging. <i>Gene Ther</i> 8:291-9, 2001.
A 242.	Zinn KR, Chaudhuri TR, Buchsbaum DJ, Mountz JM, and Rogers BE, Simultaneous evaluation of dual gene transfer to adherent cells by gamma-ray imaging. <i>Nucl Med Biol</i> 28:135-44, 2001.
A 243.	Zinn KR, Chaudhuri TR, Buchsbaum DJ, Mountz JM, Curiel DT, Krasnykh VN, and Rogers BE, Dual In Vivo Imaging of Thymidine Kinase and Somatostatin Receptor Expression after Gene Transfer with a Bicistronic Adenoviral Vector. <i>Eur J Nucl Med</i> 27:1213, 2000.
A 244.	Zinn KR, Chaudhuri TR, Krasnykh VN, Buchsbaum DJ, Belousova N, Grizzle WE, Curiel DT, and Rogers BE, Gamma camera dual imaging with a somatostatin receptor and thymidine kinase after gene transfer with a bicistronic adenovirus in mice. <i>Radiology</i> 223:417-25, 2002.
A 245.	Zinn KR, Chaudhuri TR, Krasnykh VN, Curiel DT, and Reynolds PN, In vivo imaging of Tc-99m-labeled ad vector redirected to lung following intravenous dosing. <i>Eur J Nucl Med Mol Imaging</i> 29:S107, 2002.
A 246.	Zinn KR, Chaudhuri TR, Krasnykh VN, Curiel DT, and Reynolds RN, In Vivo Imaging Detects Tc-99m-Labeled Ad Redirected to Lung Following Intravenous Dosing. <i>Mol Ther</i> 5:S424, 2002.
A 247.	Zinn KR, Chaudhuri TR, Mountz JM, van den Berg GJ, Gordon DT, and Johanning GL, 59Fe is retained from an elemental 59Fe powder supplement without effects on 65Zinc, 47Calcium and 67Copper in young pigs. <i>J Nutr</i> 129:181-7, 1999.
A 248.	Zinn KR, Chaudhuri TR, Smyth CA, Wu Q, Liu HG, Fleck M, Mountz JD, and Mountz JM, Specific targeting of activated endothelium in rat adjuvant arthritis with a 99mTc-radiolabeled E-selectin-binding peptide. <i>Arthritis Rheum</i> 42:641-9, 1999.
A 249.	Zinn KR, Chaudhuri TR, Stargel AV, Kumar S, and Ponnazhagan S, Gamma camera imaging of Tc-99m-labeled AAV vector followed by bioluminescence imaging of luciferase transgene expression. ASGT annual meeting, Accepted, <i>Mol Ther</i> , 7(5):S184-5, (2003).
A 250.	Zinn KR, Chaudhuri TR, Stargel AV, Kumar S, and Ponnazhagan S, Gamma camera imaging of Tc-99m-labeled AAV vector followed by bioluminescence imaging of luciferase transgene expression, Submitted, <i>Mol Ther</i> , 7(5):S184-5, (2003).
A 251.	Zinn KR, Douglas JT, Smyth CA, Liu HG, Wu Q, Krasnykh VN, Mountz JD, Curiel DT, and Mountz JM, Imaging and tissue biodistribution of 99mTc-labeled adenovirus knob (serotype 5). <i>Gene Ther</i> 5:798-808, 1998.

	A 252.	Zinn KR, Kelpke S, Akhi K, Viera L, Chaudhuri TR, and Thompson JA, Glomerular targeting of acidic fibroblast growth factor-1 in renal transplanted rats1. <i>Transplantation</i> 73:1447-1453, 2002.
	A 253.	Zinn KR, Kelpke S, Chaudhuri TR, Sugg T, Mountz JM, and Thompson JA, Imaging Tc-99m-labeled FGF-1 targeting in rats. <i>Nucl Med Biol</i> 27:407-14, 2000.
	A 254.	Zinn KR, Krasnykh VN, Cao Z, and Chaudhuri TR, Dual genetic reporter system for early diagnosis and monitoring of breast cancer in mice. <i>Breast Cancer Res. Treat.</i> 76:S100, 2002.
	A 255.	Zinn KR, LoBuglio AF, Cao Z, and Chaudhuri TR, Non-invasive optical imaging of angiogenesis in breast cancer xenografts during therapy. <i>Eur J Nucl Med Mol Imaging</i> 29:S178, 2002.
	A 256.	Zinn, Szalai, et al., Bioluminescence imaging reveals a significant role for complement in liver transduction following intravenous delivery of adenovirus. <i>Gene Ther</i> 11:1482-1486, 2004.
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